

(NY-2800)

NEW PROSPECTS FOR BULGARIAN FISHING, BY
MIKHAIL NISHKOV, 5 PP.

BULGARIAN, PER, RIBNO STOPANSTVO, NO 6, 1962,
PP3-5.

JPRS 14905

EEUR - BULGARIA

~~RECON~~ ECON

AUG 62

208,853

(NY-6430)

Some Questions Concerning the Fishing Industry in Bulgaria, by Borislav Popov, Violeta Dinova. 4 pp.

BULGARIAN, per. Рибно стопанство, No 6, 1961. pp 15-16.

JPRS 12063

EBur - Bulgaria
Econ
Jan 62

181, 232

BASIC TASKS IN THE FISHING ECONOMY IN 1963,
BY GEORGI VRUBCHEV, 6 PP.

BULGARIAN, PER, RIENO STOPANSTVO, NO 1, 1963,
PP 2-3.

JPRS 18269

EUR - BULGARIA
ECON .
MAR 63
NO 133

225,599

THE THIRD SESSION OF THE JOINT SOVIET, BULGARIAN,
AND RUMANIAN, COMMISSION ON FISHING IN THE BLACK
SEA, BY GEORGI VRUSCHEV, 7 PP.

BULGARIAN, PER, RIBNO STOPANSTVO, NO 1, 1963,
PP 4-6.

JPRS 18269

EEUR - SOV BLOC
ECON .
MAR 63
NO 133

225,594

Development of Fishing in Bulgaria, by
Mikhail Nishkov, 5 pp.
BULGARIAN, per, Ribno Stapanstvo, No 1,
1964, pp 18, 19.
JPRS 24277

EE-Bulgaria
Econ
May 64

257, 074

Lake Fishing in Bulgaria, by M. Dimitrov, 6 pp.
BULGARIAN, per, Ribno Stenno, No 8.1,
1964, pp 20-22.
JPRS 24277

EE-Bulgaria
Econ
May 64

257, 075

On the Reaction of H_2S and SO_2 : The
Influence of Experimental Conditions
on the Mechanism of the Formation
of $H_2S_xO_6$ and $H_2S_2O_3$, by S. Sosi.
ITALIAN, per, Ricerca Scientifica.
Parte II. Rendiconti. Sezione I:
Abiologica, Vol 1, No 1, 1961,
pp 5-11
NTC 72-11839-07B

June 72

"Beta" Radioactivity Produced by Bombardment
With Neutrons - III, by E. Amaldi, O. D'Agostino,
E. Fermi, F. Rasetti, E. Segre, 4 pp.

ITALIAN, per, La Ricerca Scientifica, Anno,
Vol I, No 8, 30 Apr 1934, pp 452, 453.

Dept of Commerce
Patent Office
Sci Lib (gift)

Sci - Nuclear Physics
Feb 59

81,237

**B. Radioactivity Produced by Neutron Bombardment,
by E. Amaldi, O. D'Agostino, E. Fermi, E. Segre.**

ITALIAN, La Ricerca Scientifica, Vol V 1, 1934.

ANC Tr

Scientific - Nuclear Physics

12,359

Oct 49 CTS (1/49)

**Radioactivity Produced by Neutron Bombardment, by
E. Amaldi, D'Agostino, Fermi, Rasetti, Segre**

**ITALIAN, La Ricerca Scientifica, Vol V, No 1,
No 11-12, 1934.**

AND Tr

Scientific - Nuclear Physics

Oct 49 ONS (1/49)

12,360

Radiactivity Produced by Neutron Bombardment, by
E. Amaldi.

ITALIAN, La Ricerca Scientifica, Vol V, No 2, No 1-2,
1934.

ABC Tr

Scientific - Nuclear Physics

Oct 49 CTS (1/49)

12,366

+-
Influence of Hydrogen Containing Substances Upon
the Radioactivity Induced by Neutrons, by E. Fermi,
N. Amaldi, Bruno Pontecorvo, F. Rasetti, E. Segri.

ITALIAN, La Ricerca Scientifica, Vol V, No 2, No 7-8,
1934

ABC Tr

Scientific - Nuclear Physics

Oct 19 CTS (1/49)

12,365

**Radiactivity Induced by Neutron Bombardment, by
E. Amaldi, O. D'Agostino, E. Segre**

**ITALIAN, La Ricerca Scientifica, Vol V, No 2, No 9-10,
1934.**

ABC Tr

Scientific - Nuclear Physics

Oct 49 CTS (1/49)

12,364

Radioactivity Induced by Neutron Bombardment, by
E. Amaldi, O. D'Agostino, E. Fermi, E. Pontecorvo,
F. Reggati, E. Segre

ITALIAN, La Ricerca Scientifica, Vol V, No 2, No 11-12,
1934.

AEC Tr

Scientific - Nuclear Physics

12,363

Oct 49 CIB (1/49)

Radioactivity Induced by Neutron Bombardment, by
Enrico Fermi, 2 pp.

Italy, per, La Ricerca Scientifica 5, year Vol I,
No 5, March 1934, p 283.

S.L.A. Tr 49/1956
MF-0061

Scientific - Nuclear Physics 33,988

Radioactivity Induced by Neutron Bombardment, by
E. Amaldi, O. D'Agostino, E. Fermi, E. Pontecorvo,
E. Segre

ITALIAN, La Ricerca Scientifica, Vol VII, No 1,
No 7-8, 1935.

AND Tr

Sci - Nuclear Physics

12,368

~~28~~
Oct 49 OIS (1/49)

+

Radioactivity Induced by Neutron Bombardment, by
E. Amaldi, O. D'Agostino, E. Fermi, B. Pontecorvo,
E. Segre

ITALIAN, La Ricerca Scientifica, Vol VI, No 1, No 11-
12, 1933.

ANC Tr

Scientific - Nuclear Physics

Oct 49 (1/49)

12,369

+

Absorption of Slow Neutrons, by Fermi, Enrico,
Eduardo Amaldi

ITALIAN, La Ricerca Scientifica, Vol VI, No 2, No 11-
12, 1935

AEC Tr

Scientific - Nuclear Physics

Oct 49 OTB (1/49)

12,373

Absorption of Slow Neutrons, by Riccardo Amsaldi,
Enrico Fermi

ITALIAN, La Ricerca Scientifica, Vol VI, No 2,
No 9-10, 1935.

AMC Tr

Scientific - Nuclear Physics

Oct 49 (1/49) CTS

12,372

Radioactivity Induced by Neutron Bombardment VIII,
by E. Amaldi, O. D'Agostino, and E. En Fermi, 6 pp.

ITALIAN
~~English~~, per, La Ricerca Scientifica 6, Vol I, No 2,
1935, pp 123-125.

S.L.A. Tr 2/1956
MF-2049

Scientific - Chemistry
Nuclear Physics

33,933

99-22332

Fermi, Enrico.
ON THE MOTION OF NEUTRON IN HYDROGENOUS
SUBSTANCES, tr. by G. M. Temmer. 22 Oct 51, 39p.
1 ref. NP-2 85.
Order from LC or SI A ml \$2.70, ph \$4.10 59-22 172

Trans. of la Ricerca Scientifica (Italy) 1956, v. 7,
no. 2, p. 1. ff.

- I. Neutrons--Motion
- I. Fermi, E.
- II. NP-2 85
- III. Technical Information
Service Extension,
Atomic Energy Com-
mission, Oak Ridge, Tenn.

Office of Technical Services

1-1-61

(Nuclear Physics--Particles, TT, v. 3, no. 4)

Seppa, Oreste.

NATIONAL COMMITTEE FOR PHYSICS PROPERTIES
OF FERROMAGNETIC SUBSTANCES IN POWDER.

[1955] 7p. (figs. omitted).

Order from SLA \$1.10

62-16457

Trans. of [Ricerca Scientifica (Italy) 1937, v. 8,
p. 413-421].

DESCRIPTORS: *Ferromagnetic materials, Powders,
Magnetic properties, Magnetostriction.

(Physika-Magnetism, TT, v. 9, no. 10)

62-16457

1. Seppa, O.

Office of Technical Services

Contribution to the Study of Bimethylacetal
as a Fuel, by G. Roberti, V. Berti,
E. Scandola.

ITALIAN, per, la Ricerca Scientifica,
Vol 10, 1939, pp 28-31.
SEA TT-66-10823

332, 227

Sci
Jul 67

Malquori, Giovanni and Cirilli, Vittorio.
THE SINTERING OF MAGNESIA. [1963] 21p. (figs.
omitted) 18 refs.
Order from SLA \$2.60 63-14584

Trans. of [la] Ricerca Scientifica (Italy) 1970, v. 10,
p. 905-914.

DESCRIPTION: *Magnesium compounds, Oxides,
*Sintering, Heat treatment, Mechanical properties,
Magnesia, Refractory materials.

The authors examine the influence exerted on the
course of the thermal sintering of magnesium oxide by
various substances intimately associated with the
latter. The behavior of the following was studied:

Fe_2O_3 , Al_2O_3 , SiO_2 , CaO , $(\text{Fe}_2\text{O}_3\text{-CaO})$,
 $(\text{Fe}_2\text{O}_3\text{-SiO}_2)$, $(\text{SiO}_2\text{-CaO})$, $(\text{Al}_2\text{O}_3\text{-CaO})$, and
(Materials Refractories, IT, v. 10, no. 2) (over)

63-14584

I. Malquori, G.
II. Cirilli, V.

Office of Technical Services

**An Improved Method of Determining the Homogeneity
of Solids by Means of Supersonics, by A. Glascomini,
A. Bertini.**

**ITALIAN, per, Ric Sci., Vol XVII, Oct 1939, pp 921-
925.**

TPA3/TIR T 3932, P223187

**WEur - Italy
Scientific - Physics**

12,668

Diaconini, Amedeo and Biagio Pasce

1940

Compressibility of electrolytic solutions by the determination of ultrasonic velocities (Compressibilità de soluzioni di elettroliti mediante determinazione de velocità degli ultrasuoni) La Ricerca Scientifica, 19: 605-618. In Italian.

Transl. by Transl. Dir., Pgo. Lang. Div., Dept. of Sec. of State of Canada, for FRAC Marine Ecology Laboratory, Dartmouth, N.S., 1972, as Transl. Series No. 2058, 23p., typescript.

Avail. on loan - FRAC, Wash., D.C.

ARC C-11069

NIC 72-60607-0725

Rolla, L., and Landelli, A.
THE LANTHANUM-ZINC SYSTEM. Pt. I of Contributions of the Knowledge of Rare Earth Metals and Their Alloys. [1961] 10p.
Order from AFS \$16.35 AFS-65N551

Trans. of Accademia Scientifica (Italy) 1941, v. 20,
p. 1210-1220

DISCUSSION: *Lanthanum, *Zinc, Rare earth elements, Rare earth metals, Alloys.

(Chemistry - Physical - III, v. 7, no. 2)

61-25689

I. Rolla, L.
II. Landelli, A.
III. AFS-65N551
IV. Title: Contributions...
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Comparison of Experimental Results and
Thermodynamic Predictions on the Hydrogenation of
Carbohydrates at Low Temperatures, by G. Natta,
E. Berti, 14 pp.

ITALIAN, per, Ricerca Sci, Vol XXI, Jan 1943,
pp 15-22.

S.L.A. Tr No 57-112

Sci - Chemistry
Apr 57

46, 916

■

Probable Effect of Electric and Magnetic Fields on the Velocity of Propagation and Coefficient of Absorption of Ultrasonics in Some Liquids, by A. Barone and A. Giacomini.

ITALIAN, per, Ricerca Sci, Vol XV, 1945, pp 264-266.

INSDOC-T-1454

Sci

71,012

Aug 58

Croatto, Ugo and Bruno, Costanza.
GALVANIC PILES WITH SOLID ELECTROLYTES.
[1962] [16p. 19 refs.
Order from SLA \$1.60

63-10618

Trans. of Ricerca Scientifica (Italy) 1947, v. 17,
no. 12, p. 1998-2006.

DESCRIPTORS: *Electrolytes, Diffusion, *Batteries
and components, *Electrochemistry, Decomposition,
Chemical properties

(Chemistry - Physical, TT, v. 10, no. 1)

63-10618

- I. Croatto, U.
- II. Bruno, C.

Office of Technical Services

Sette, Daniele.
ULTRASONIC LENSES OF PLASTIC MATERIALS.
Jan 64, 3200 words
Order from LSA \$30.00

Trans. of (in) Ricerca Scientifica (Italy) 1948 (v. 18,
no. 6) p. 831-839.

DESCRIPTORS: *Plastic lenses, Ultrasonic equipment.

(Materials--Plastics, TT, v. 11, no. 10)

TT-64-12336

I. Sette, D.
II. Literature Service
Associates, Bound
Brook, N. J.

Office of Technical Services

Electrochemical Potential and Passivity of
Zinc in Solutions of Zinc Nitrate and Other
Nitrates, by O. Scarya.
ITALIAN, per, La Ricerca Scientifica, No 3-4,
1949, pp 226-229.
ACSI J-1156
ID 2204054366

Sci-Chem
Jan 67

317,729

Quantum Mechanical Theory of Elastic Dissipation
in Single Crystals. A New Relaxation Effect, by
P. G. Bordini.

ITALIAN, per, la Ricerca Sci, Vol XIX, No 8, 1949,
pp 851-862.

300
ATS 384-LJ

Sci
Nov 59

100,419

Elements in Highly Oxidized States. 1. Sodium
Ortho-Oxyferrate, by Ugo Croatto, 16 pp.

ITALIAN, REV. La Ricerca Scientifica, Vol XIX,
1949, pp 870-874, 1007-1009.

ABC Tr 1981

Scientific - Chemistry

Jul 74 CTS

15,590

Differential Electronic Nephelometer, by Enrico del
Pianto, 7 pp.

ITALIAN, per, La Ricerca Scientifica, Vol XX, No 11,
Nov 1950.

S.L.A. Tr No 485/1955

Sci - Electronics
Jan 1957 CFB/dex

45,859

The Keto Acids of Normal Human Fluid Chromatographic
Study, by P. Zappi, M. L. Casarati, 15 pp.

Full translation.

ITALIAN, par, La Ricerca Scientifica, Vol XXI, No 3,
1951, pp 372-378.

NIH Tr 66

Scientific - Biology

28,190

Oct 55

Electrical Depolarisation of Solid Electrodes for
Use in Polarographic Analysis, by P. Silvestroni,
11 pp.

Full translation.

ITALIAN, per, La Ricerca Scientifica, May 1952.

CIA/TNO/2-6

Scientific - Electronics

May 53 CMB

~~SECRET~~
12,341

The Motion of Fluids Through Permeable Systems: The Limits of Validity of Darcy's Law in the Light of the Most Recent Experimental Results, by P. L. Romita.

ITALIAN, per, Ric Sci, Vol XXI(11), Nov 1951, pp 1978-1998.

TPA3/TIB Tr No T 4028

Scientific - Physics, fluids, permeable system, validity, light, experiments

Index Aeronauticus

R-3982-D/a

Enteramine and 5-Methoxytryptamine. Toxicity.
Action on the ~~u~~Diuresis, on the Systemic Blood
Pressure, and on Some Extravascular Smooth Mus-
cles, by Vittorio Erspamer.

ITALIAN, per, La Ricerca Scientifica, Vol XXII,
No 4, 1952, pp 694-701.

*JPRS/HEW

Sci-Biol & Med Sci
April 64

The Biological Concept of Competence as
Results from Researches on Lens Anlage and
on the Development of Limbs, by T. Perri,
63 pp.

ITALIAN, per, La Ricerca Scientifica,
Vol XXII, No 5, 1952, pp 864-893.

NIN Tr 1027

Sci - Medicine, Biology

30, 313

R-432

Thermodifferential Precision Analysis, by Paolo
Spinedi,

~~Italy~~, per, La Ricerca Scientifica, Vol XXII, 1952,
pp 2323-2339.

*JPRS for Army Rocket and Guided
Missile Agency

Probable Electronic Structure of Ferrocene, by
Massimo Simonetta, 5 pp.

ITALIAN, per, La Ricerca Sci/ed il Progresso
Technica nell' Economia Nazionale, Vol XXIII,
No 7, 1953, pp 1234-1237.

BIA 59-10559

Sci - Electron
Sep 59
Vol 2, No 2

97,990

A Synchrotron to Italy, by Gustavo Colonnetti,
6 pp. UNCLASSIFIED

ITALIAN, REV. La Ricerca Scientifica, Jan 1974,
Encl to IN-193-74, AA, EMB.

AF 618049

Scientific - Nuclear Physics
CIA D 14515

June 54 CTS/DXX

14,877

Establishment of Study and Research Center of
Nuclear Chemistry, 4 pp, UNCLASSIFIED

ITALIAN, per, La Ricerca Scientifica, Dec 1954,
Encl to IR-52-55, AA, Rome. CIA D-164676

AF 650620

Scientific - Chemistry
Sociological - University

Apr 55 CEB

22,852

Investigations on the Specificity of the
Organizing Stimulus in the
Morphogenesis of the Crystalline Lens, by
M. De Vincentiis, 7 pp.

ITALIAN, per, Ricerca Scient, Vol XXIV, 1954,
pp 73-75.

NIL

Scientific - Medicine
OTS 70/Jul 55

25,5'6

Emissivity Measurement in the Normal Direction and
in Directions Contained Within the Solid Angle. 2.
For Variously Treated Aluminium Surface, by C. Paroli

ITALIAN, per, Ric Sci, Feb 1954, pp 340-354.

DSIR/31208/CT

Sci - Physics
Feb 54

58,837

Gravity Survey of the Adriatic Sea in 1954. by
Carlo Norilli.

ITALIAN, gov, La Ricerca Scientifica, Vol XXV,
No 10, 1955, pp 1-28.

Univ of Wisconsin
(EXV)

Sci - Geophys
Apr 60

113,916

X-Ray Studies on Crystallinity and Structure of
High Molecular Weight Hydrocarbons, by G. Natta,
P. Corradini, 17 pp.

~~RESEARCH~~ ITALIAN, per, Ricerche Scientifiche, Vol XXV,
1955, pp 695-706.

SLA 61-17634

Sci
24 Jul 62
Vol VII, No 10

204, 788

Investigation of the Behavior of Cements in the
Attack With Special Alkaline Solutions, by H.
Frattini, R. Turrisiani, 5 pp.

ITALIAN, per, Ricerca Sci. Vol XXV, No 10, Oct 1955,
pp 2834-2837.

SIA Tr 57-616

Sci - Engineering
Sep 57

52,806

Investigation of the Quaternary Solids $\text{CaO-Al}_2\text{O}_3\text{-CaSO}_4\text{-H}_2\text{O}$ by the X-Ray and DEA Methods, by
R. Terriniani, G. Schiappa. UNCLASSIFIED

ITALIAN, per, Rivista Scientifica, 1954, Vol XXXIV,
No 11, pp 2336-2363; Vol XIV, No 10, 1955,
pp 2894-2898.

DSER/31930/CT

Sci - Phys
Oct 58

75, 274

The Microbial Oxidation of Hydrocarbons and Aromatic
Compounds, by C. A-L. G.-V. Treccani.

ITALIAN, per, Riv Sci, Vol XII, 1955, pp 3244-3267.

DSIR/28789/CT

Sci - Chem, biol
Sep 57

52, 388

LANZA, P., DELMARCO, A., McKAY, A.F. and
SEMERANO, G.

57-2691. Polarographic behavior of nitroguanidine
and some of its derivatives. Part I. Nitroguanidine
and nitrosoguanidine. Contributi teorici e sperimentali
di polarografia, 2, p.1-15, Suppl. to La Ricerca sci.,
25, 1955. (13p.) (LOAN COPY ONLY)

*has been
stolen, per*

Microbiological Researches on Petroliferous Media
and Microbial Oxidation of Hydrocarbons, Part II,
by Bonetti, M. Elio, 49 pp.

ITALIAN, Per, la Ricerca Scientifica, Vol XXVI,
No 3, 1956, pp 779-802.

SLA 59-15119

Sci
Oct 59
Vol 2, No 3

99,852

Free and Braked Fluidization on Beds of Solid
Particles, by L. Massimilla, S. Bracale.
ITALIAN, per, Ricerca Scientifica, Vol 26, o
1956, pp. 487-504.
NLL Ref: 5828.4F (n. 7641)

sci-mech
sept 69

390,196

Experimental Determination of Heat of
Activation for Diffusion of N In Alpha-
Iron, by I. Barducci, 5pp.

ITALIAN, per, La Ricerca Scientifica,
26, 1956, pp. 2080-2084.

*Nat. Bur. Stand. TT 70-59047

Sci/chem
May 70

X-Ray Investigation of the Ferrite Phase in Portland Cement, by N. Fratini, R. TURRIZIANI. UNCL

ITALIAN, per, Ric Sci, Vol XXVI, No 9, 1956, pp 2747-2751.

DSIR 34593/CT

Sci - Phys; Min/Met
Mar 59

83,329

On the Existence of Hydrated Calcium Monocarboaluminate, by Renato Turriziani, G. Schippa, 11 pp.

ITALIAN, no per, La Ricerca Scientifica, Vol LXVI, 1956, pp 2792-2797.

Dept of Commerce
Natl Bureau of
Standards

52,775

Sci - Chemistry
Sep 57

The Setting and Hardening of a Mortar of
Pozzolan, Lime, and Calcium Sulfate, by
Renato Turriziani, G. Schippa, 5 pp.

ITALIAN, no per, La Ricerca Scientifica, Vol
XXVI, 1956, pp 3387-3393.

Dept of Commerce
Natl Bur of Standards

Sci - Chemistry
Sep 57

52,777

Investigations of the Behaviour of Cements
Subjected to Attack by Special Alkali Solutions,
(Note II), by M. Fratini, R. Turriziani. UNCL

ITALIAN, per, Ric Sci, Vol XXVII, No 1, 1957,
pp 77-80.

DSIR 32695/CT

Sci - Min/Mat
Mar 99

83,254

Mesures electrochimiques sur des eprouvettes d'acier
immergees dans le ciment, by M. Maraghini, B. Rumi,
17 pp.

ITALIAN to FRENCH, per, Ric. Sci. Ital., Vol XXVII,
No 4, 1957, pp 1161-1174. 9218396

Reverse Translation
CEA-X-406

Sci
Feb 64

On the Mechanism of Fluidisation of Solid-Gas
Systems, by S. Brunelle, A. Cabella, 16 pp.

ITALIAN, per, Ricerca Sci. Vol XXVII, 1957,
pp 1448-1475.

AEC NP Tr-432

Sci - Nuc Phys
Aug 50

124,008

The Anodic Corrosion of Steel in Reinforced
Concrete, by M. Maraghini, C. Ginnari. UNCL

ITALIAN, per, Ric Sci, Vol XXVII, No 5, 1957,
pp 1500-1508.

DSIR 33314/OT

Sci - Min/Int
Mar 59

83,240

Mixing of the Solid Phase in Baffled and Unbaffled
Fluidised Solid-Gas Systems, by L. Massimilla,
G. Bracale, 23 pp.

ITALIAN, per, Ricerca Sci, Vol XXVII, 1957,
pp 1509-1525.

AEC NP Tr 627

Sci - Chem
Jun 60

121,931

Heat Transmission in Baffled and Unbaffled
Fluidised Solid-Gas Systems, by L. Magagnoli,
S. Brusca, A. Cabella, 42 pp.

ITALIAN

~~per.~~ Ricerca Sci, Vol XXVII, 1957, pp 1853-
1864.

AEC HF Tr-431

Sci - Chem
Aug 60

124,007

Crystal Structure of Silver Oxide,
by V. Scatturin et al.
SPANISH, per, Ricerca Sci, Vol 27, No 7
1957, pp 2163-2172.
NASA TT F-9886

9786

U. S. GOVERNMENT USE ONLY
Sci-Chem
Apr 66

298,757

Adsorption and Incorporation of Sulfur Ions in
Zirconium Oxide Films, by Mario Maraghini, Maria
Serra, 12 pp.

ITALIAN, per, Ricerca Sci, Vol XXVII, 1957,
pp 2468-2474.

ABC Tr 3145

Sci - Chemistry
Apr 58

61,081

R-4082-D

Interactions Between Tetracyclines, Serum
and Bacterial Cell, by Tito Berti, Lorenzo
Cima.

ITALIAN, per, la Ricerca Scientifica, Vol XXVII,
No 9, 1957, pp ~~2581~~-2691.

*JPRS/Commerce

Sci-B & M Sci

Hydrated Calcium Aluminates, by G. Schipka,
R. Turriziani. UNCL

ITALIAN, per, Ric Sci, Vol XXVII, No 12, 1957,
pp 3654-3661.

DSIR 33490/CT

Sci - Chem
Mar 59

83,259

Preliminary Report on the Italian Pendulum
Measurements for the European Geometric Base,
by C. Masson and L. Piarì.
ITALIAN, per, la Rivista Scientifica, Year 28,
No 11, Nov 1958, pp 3 (2300) - 9 (2306).
. AEC TC-1301

Sci-Math
Sept 67

339,276

Ciferri, A. and Duane, M.
A METHOD FOR DETERMINING DISTRIBUTION OF
THE MOLECULAR WEIGHT IN A POLYMER SAMPLE
BY MEANS OF MEASUREMENTS OF BROWNIAN
DIFFUSION AND OF SEDIMENTATION. [1960] 13p.
15 refs.

Order from SLA ml\$2.40, ps\$3.30 60-18407

Trans. of la Ricerca Scientifica ed il Progresso
Technica nell'Economia Nazionale [Italy] 1958, v. 28
[no. 3] p. 507-515.

143,253

(Chemistry--Physical). TT. v. 3, no. 4)

60-18407

1. Molecular weight--
Determination
2. Polymers--Molecular
weight

I. Ciferri, A.
II. Duane, M.

Office of Technical Services

Molecular Weight Determination by Scattered
Light From Fluorescent Solutions, by A.
Ciferri, G. Weill.

ITALIAN, per, La Ricerca Scientifica,
Vol XXVIII, No 4, 1958, pp 765-769.

CSIRO 5381

Sci - Phys
Aug 62

207,460

Investigations in to the Lattice Disorders of
the Fluorite Lattice and the Cubic Lattice 'C'
of the Rare Earth Oxides, by M. Bruno, A. Mayer,
p 9 pp.

ITALIAN, per, La Ricerca Sci, Vol XLVIII, 1958,
pp 1168-1173.

AND-EP-Tr-039

Sci - Phys
Sep 59

96,716

Applications of Electron Diffraction to the
Structural Study of Polymers, by P. Corradini,
I. W. Zanni, 8 pp.

ITALIAN, per, Ricerca Sci, Vol XXVIII, No 7, 1958,
pp 1435-1442.

ATS 158-IJ
ATS 78131I

Sci
Nov 59

109,406

Preliminary Report on the Italian Pendulum
Measurements for the European Gravitric Base:
by C. Masson & L. Fiori.
ITALIAN, per, La ricerca scientifica, No 11,
Nov 1958, pp 3 (1958) - 9 (1958).
AGIC TC-1301

Sci/Ear Sci
May 68

356,757

Angelis, G. De, Ippoliti, P., and Spina, N.
**VAPOR-PHASE CHROMATOGRAPHY APPLIED TO
 POLYMER ANALYSIS** 13 Apr 61, 11p. 18 refs.
 Order from SLA \$1.00 61-16528

Trans. of [la] Ricerca Sci[entifica] (Italy) 1958, v. 28
 [no. 7] p. 1444-1450.

DESCRIPTORS: *Chromatographic analysis, *Polymers,
 Gas chromatography, Resins.

It is possible to identify and control various polymers,
 using vapor-phase chromatography to analyze the gases
 which develop from pyrolysis conducted in the absence
 of oxygen and at a temperature not above 550°C.
 Polyethylene, poly(vinyl acetate), phenolic resins,
 carboxylic resin, methyl methacrylate, urea resin and
 polyester are examined. The results obtained and their
 degree of reproducibility are given. (Author)

(Chemistry--Analytical, TT, v. 6, no. 7)

61-16528

I. Angelis, G. D.
 II. Ippoliti, P.
 III. Spina, N.

404600

Office of Technical Services

Chromatographic Fractionation of Stereoblock
Polymers, by Giulio Natta, Mario Pegoraro,
Mario Peraldo, 12 p.

ITALIAN, per, in Ricerca Scientifica ed il
Progresso Technica nell'Economia Nazionale,
1958, Vol XXVIII, July pp 1473-1479.

SLA 59-17059

Sci
Jan 60
Vol 2, No 8

105,469

Studies on Radioactive Barbiturates. Note I.
Distribution of Luminal in the Animal Organism,
by E. Aliprandi, R. Masironi, 6 pp.

ITALIAN, per, La Ricerca Scientifica, Vol XXVIII,
No 8, 1958, pp 1611-1615.

MM 12-32.

SLA 54-1733

Sci - Medicine
Jan 60

105,323

Ercoli, Raffaele and Mangiat, Angelo.
NEAR ULTRAVIOLET ABSORPTION SPECTRA OF
SOME ARYL CHROMOTRICARBONYLS. [1961] 5p.
4 refs.
Order from SLA m\$1.80, p\$1.80 61-10701
Trans. of la Ricerca Scientifica (Italy) 1958, v. 28,
no. 10, p. 2135-2137.

(Chemistry--Organic, TT, v. 5, no. 11)

61-10701

1. Chromian carbonyls--
Spectra
 2. Ultraviolet spectra--
Analysis
- I. Ercoli, R.
II. Mangiat, A.

108010

Office of Technical Services

Borlera, Maria Lucco.
POLAROGRAPHIC REDUCTION OF TETRAVALENT
GERMANIUM IN A SOLUTION OF COMPLEXANT
ORGANIC ACIDS. [1962] 9p. 8 refs.
Order from SLA \$1.10 62-16129

Trans. of la Ricerca Scientifica (Italy) 1959, v. 29,
no. 1, p. 100-105.

DESCRIPTORS: *Germanium; Solutions; *Organic
acids; Polarographic analysis; Reduction.

An investigation was made of the polarographic re-
duction of tetravalent germanium in solution of com-
plexant organic acids, i.e., ascorbic, oxalic and
tartaric acids. Values are given for coefficients and
constants for the diffusion current obtained by operating
in the π region and give the optimum pH range
in which the mercury cathode reduction reaction is an-
alytical significant.

(Chemistry--Organic; I.L.; v. 8, no. 1)

62-16129

I. Borlera, M. L.

Office of Technical Services

Electrochemistry of Sulfate Reducing
Bacteria, Note 1, by Giuseppe Ruffaro,
Rina Cheruti, Emma Ruffaro, 13p.
ITALIAN, per, in Ricerca Scientifica,
Vol 29, No 3, 1959, pp 484-494.
SLA TT-65-10222

336, 171

Sri
Aug 67

Contribution of Nuclear Emulsions to the
Study of Some Cases of Microradio-chemical
Analysis (Determination of Radioisotopes,
by G. Mayr, 6 pp.

ITALIAN, per, ~~La Ricerca Sci~~, 1959,
Vol XXIX, No 4, pp 804-809.

EE
ATT-611431

Sci
Vol IV, No 9
Mar 62

187, 226

**Outflow of Solid-gas Fluidized Systems
Through Small Holes, by L. Massimilla.
ITALIAN, per, Ricerca Scientifica, No 5,
1959, pp 1030-.
NLL Ref: 9091.9F (Springfield Trans 197)**

**Sci-Phys
June 69**

384,563

Migration of Au-198 in Contact with Gold, by
G. Mayr.
ITALIAN, per, La Ricerca Scientifica, 29, 1959,
pp 1545.
*Nat Bur Stand TT 70-59045

Sci-Chem
June 70

Study Centre to Organize an Italian Institute
of Metrology, by A. Bray.

ITALIAN, per, La Ricerca Scientifica,
Vol XXIX, No 9, 1959, pp 1847-1857.

CSIRO 4931

Sci - Eng

191,674

Apr 62

41-25002

Federici, Maurizio.
THE ACCURACY OF MEASURING THE DIRECTION
OF A SOUND SOURCE BY A DIRECTIONAL RE-
CEIVER SYSTEM (La Precisione di Misura della
Direzione di una Sorgente Sonora con Sistemi Riceventi
Direttivi) tr. by M. G. Beghetto and J. H. Creven.
1951, 16p. NRCC Technical Trans. 95A.
Order from NRCC \$1.00 NRCC C-3667

Trans. of la Ricerca Scientifica (Italy) 1950, v. 20,
no. 11, p. 2301-2313.

DESCRIPTORS: *Sound generators. *Radio signals,
Detection, Signal to noise ratio. *Radio receivers.
Sound ranging. Sound bearing finders.

(Engineering--Electronic. TT. v. 6, no. 7)

I. Federici, M.
II. NRCC TT-95A
III. NRCC C-3667
IV. National Research
Council of Canada

1951

Office of Technical Services

Santora, Vittoria.
HIGH PERFORMANCE MEASUREMENTS OF C14 AND
H3 RADIOACTIVITY IN ORGANIC COMPOUNDS.
[1962] 4p. (figs. omitted) 3 refs
Order from SLA \$1.10

62-16456

Trans. of Ricerca Scientifica (Italy) [1959] v. 29, no.
11, p. 2420-2426

DESCRIPTORS: *Radiochemistry, Radioactive isotopes,
*Carbon, *Tritium, Organic compounds, *Radiation
counters

(Nuclear Physics Instruments, 11, v. 9, no. 1)

62-16456

I. Santora, V.

Office of Technical Services

Contribution to the Experimental Technique of in
Vitro Fermentation of Forage Cellulose With a New
Artificial Micronutrient, by G. Geri.

REMISS, per, La Ricerca Scientifica, Vol XXX,
No 6, 1960, pp. 1281-1305.

CSIP/No 5772

Sci
Feb 63

Investigations of the Reaction H_2S+SO_2
Analytical Procedures for Separating
and Breaking Down Macroquantities of
Sulfur Components in Research With
 S^{35} , by R. Barbieri.
ITALIAN, per, Ricerca Scientifica,
Vol 30, 1960, pp 1509-1517
NTC 72-11838-07B

June 72

Bellugo, Umberto; Tagliavini, Giuseppe, and Barbieri, Renato.
CONTRIBUTION TO THE ANALYSIS OF ORGANO-METALLIC COMPOUNDS OF LEAD. [1962] 9p.
Order from K-H \$11.25 K-H 11005

Trans. of La Ricerca Scientifica (Italy) 1960, v. 30, no. 11, p. 1675-1679.

DESCRIPTORS: Chemical analysis, *Metalorganic compounds, *Lead compounds.

(Chemistry-Organic, TT, v. 9, no. 9)

60-12968

I. Bellugo, U.
II. Tagliavini, G.
III. Barbieri, R.
IV. K-H 11005
V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Barbieri, Renato, Tagliavini, Giuseppe, and
 Balbano, Umberto.
ANALYSIS OF ORGANOMETALLIC COMPOUNDS.
 DITHIZONATES OF R_3PbCl AND R_2PbCl . [1962] 10p.
 Order from K-H \$12.50 K-H 11171a

Trans. of [la] R[icerca] Sci[entifica] (Italy) 1960,
 v. 30, no. 12, p. 1963-1968.

DESCRIPTORS: Chemical analysis, *Metalorganic
 compounds, *Dithizone, *Lead compounds, Chlorides.

(Chemistry -Organic, IT, v. 9, no. 9)

63-12969

I. Barbieri, R.
 II. Tagliavini, G.
 III. Balbano, U.
 IV. K-H-11171-a
 V. Kresge-Hooker
 Science Library
 Associates, Detroit,
 Mich.

Office of Technical Services

Frattini, Nicola and Schipps, Giovanni.
EVALUATION OF THE QUANTITIES OF HYDROLYSIS LIME PRESENT IN THE CEMENT PASTES BY MEANS OF X-RAYS, PAPER 1. [1961] 9p. 4 refs.
Order from SLA \$1.10 61-20359

Trans. of la Ricerca Scientifica (Italy) 1960, v. 30, no. 17, p. 2030-2037.

DESCRIPTORS: Hydrolysis, *Calcium compounds, *Oxides, Quantitative analysis, X-ray diffraction analysis, *Cements, *Hydroxides, *Mortar.

After some considerations on the method of quantitative X-ray diffractometry the authors describe the procedures followed and the results obtained in a determination of the hydrolysis lime in cement paste employing an X-ray spectrograph with Geiger counter, using calcium hydroxide as an internal standard. (Author)

61-20359

I. Frattini, N.
II. Schipps, G.

(Engineering--Chemical, TT.
v. 7, no. 7)

Office of Technical Services

Rottal, Orfeo Turno, Guerrucci, Nedo, and
Maffei, Luigi.

THE ANTIMITOTIC EFFECT OF SYNTHETIC DE-
TERGENTS ON PLANTS. [1962] 12p. 4 refs.

Order from SLA \$1.60

62-20242

Trans. of Ricerca Scientifica, Parte II, Rendiconti,
[1962] (Italy) 1961, v. 1 [no. 1]
p. 30-36.

DESCRIPTORS: Inhibition, *Mitosis, *Plants (Botany),
Detergents, Sulfonates, Sodium compounds, Fatty acid
esters, Toxicity, Hydrogen ion concentration, Vegeta-
bles, Cereals, Onions.

The mitotic inhibitory action of sodium alkylarysulfon-
ate, sodium laurylsulfonate and of sodium oleate on
the bulbs of *Allium cepa* L. was studied. The influence
of sodium dioctylsulfosuccinate on some cultivated
plants was investigated. The antimitotic threshold of
(Agriculture--Plant Cultivation, T.F. v. 10, no. 2)

(over)

62-20242

I. Rottal, O. T.
II. Guerrucci, N.
III. Maffei, L.

Office of Technical Services

Corrosion of Sg and Aluminum in Molten Bismuth,
by Dante Buttinelli, Giuseppe de Gregorio, et al,
5 pp.

ITALIAN, per, La Ricerca Scientifica, Vol I, No 2,
1961, pp 127-130. 9217225; 9319737

ABC-AI-Tr-10

Sci - Int & Met
Feb 64

248,444

Preservation of Standard Resistors at the National
Electrotechnical Institute Galileo Ferraris,
Turin, by M. Careggio.

ITALIAN. per, La Ricerca Scientifica, Vol I, No 2,
1961, pp 152-175.

CSIRO/No 6246

Sci - Engr
Oct 63

241,429

(DC-6476)

Scientific Education, by Daniele Sette, 19 pp.

ITALIAN, per, La Ricerca Scientifica, Vol I,
No 4, 5, April/May 1961, pp 181-193.

JPRS 12573

WB-Italy

804

Mar 62

183,981

Contribution to the Study of Organometallic Compounds, by
L. Ricceri, et al.
ITALIAN, per, La Ricerca Scientifica, Vol II, No 4, 1962,
pp 323-331.

CASO/NOTE 6397

Sci - Chem

Feb 64

230,496